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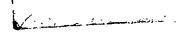
CONFIRMATION NO.; 6009

EXAMINER ; ROYAL PAUL

TITLE

Aquatic Neon Sign Art

INVENTER NAME; JONG KOO KIM



ABSTRACT OF THE DISCLOSURE

This invention discloses a method for creating Aquatic Neon Sign and an apparatus color filter for creating a variable colored lighting effect of neon signs, such as underwater illumination in aquariums or/and in the air.

BACKGOUND OF THE INVENTION AND OBJECTS

According U.S.Pat.No.5799124 to Zorn (1998) said this invention relates to the use of liquid light guides for the distribution of light for decorative and specialized purposes / a transparent liquid core filling the tube that has an index of refraction.

However, there are limitations. There is a better way to handle the light by some different angle of curve of the letters or drawings.

The present invention offers a better way to makes a sign letter. The method for creating Aquatic Neon Sign is, first, making letters as signs with an acrylic polymer core mast. This is durable not flexible plastic; everybody knows that the heat durable acrylic core changes character as flexible acrylic core. When finished with the sign letter works, and second, translucent liquid is applied over it for guide light. Third, we add the outer cladding by synthetic resin. With resin, creating a different style and size of Aquatic Neon Signs is feasible such as circle styles, triangle styles, cube styles, etc.

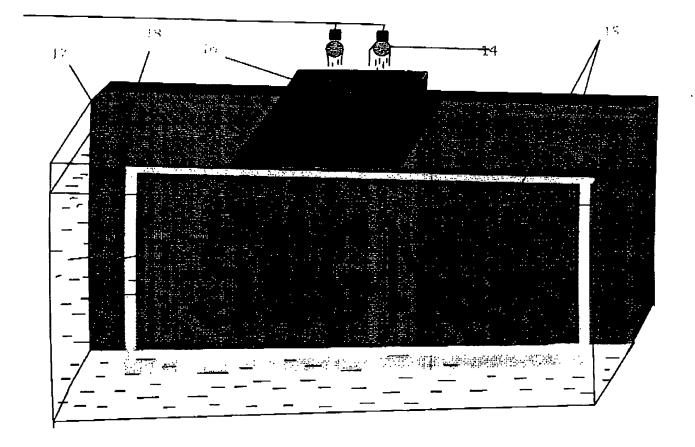
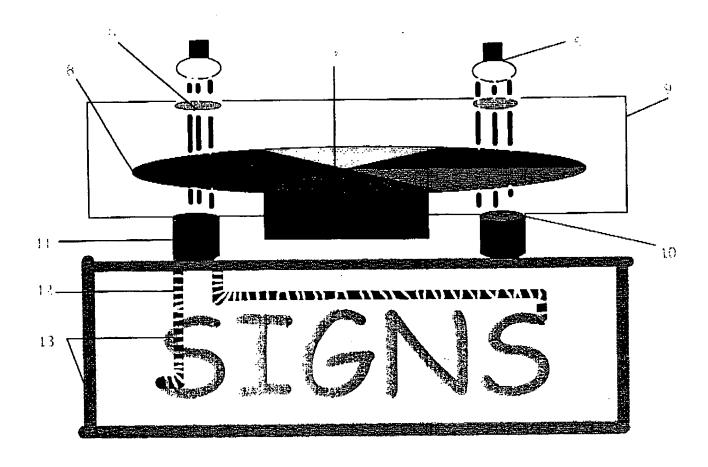
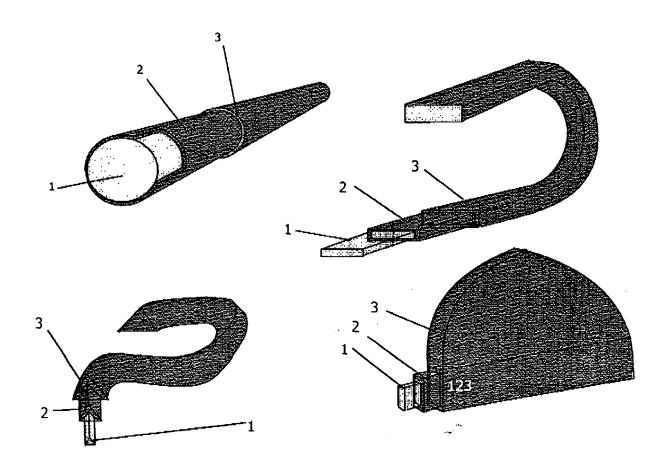


FIG 4





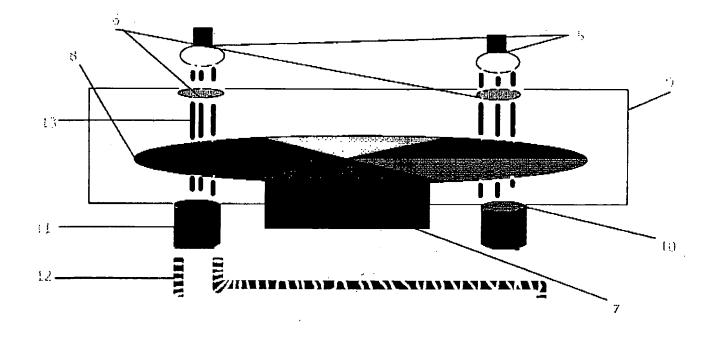


FIG. 2, shows an acrylic polymer core (#1), and a translucent liquid over it (#2), and the outer cladding by synthetic resin (#3). With resin, one could make different size, styles and figures such as triangle styles, cubic styles, etc.

FIG. 3 is a view similar to FIG. 1 where it demonstrates how the contact between the Aquatic Neon Sign (non-illumination section #12) and illumination section #13.

FIG. 4 is shows the 3 parts of a real aquarium (#17) with water (#18). The first part demonstrates a power supply coming on the top of the aquarium (#14) and the second part demonstrates the light through the multicolor filter apparatus (#16) which has 4 lenses to enter the illumination. The series of the multicolor apparatus filter has one lens to six lenses defend of use. However, FIG.4 showed the four lens series. The illumination contact with the end of the Aquatic Neon Sign will carry the illumination underwater (#15).

CLAIM

What is claimed is:

1. An aquatic neon sign system comprising:

As it says in the title, this invention focused to sign letters underwater. However, my invention is not only for underwater but also inside ice, inside of resin and the air. The aquatic neon sign can withstand temperatures ranging from - 40 to + 80 degrees Celsius and exhibits good chemical resistance, making it suitable for installation in demanding applications.

2. The Apparatus, according to claim 1, states the series of the multicolor apparatus filter has one to six lenses depending on use. If six lenses are used, the appearance of six different colored letters are changeable every 10 seconds and if only one lens is used, appearance of one colored letter is changeable every 10 seconds.

battery. In addition, the color wheel turns to give variable colors, through the illuminate passing by it. This makes different colors, each 10 seconds long, by a small motor. Naturally, the motor is functioned by a small battery. The numerous advantages of the invention that are achieved will be more readily understood from the following description of the drawings.

THE DRAWINGS

FIG. 1 is a schematic view of an apparatus multicolor filter.

FIG. 2 is a schematic view as composed of three structures of aquatic neon sign, an acrylic polymer core and translucent liquid over it and the outer cladding by synthetic resin.

FIG. 3 is a view similar to FIG 1 where added with Aquatic Neon sign.

FIG. 4 shows a schematic view in a real aquarium, how Aquatic Neon Sign functions.

DESCRIPTION OF PREFERENED EMBOLDIMENTS

With reference to FIG.1, #9 shows a schematic illumination apparatus. In addition, (#5) is a light system. The light source is usually an electric filament bulb with reflector or light emitting diode or similar electric driven or activated source of photons. The light illuminates through the lens (apparatus #6). This apparatus is made of fiberglass. Then, the illumination (#13) passes by the color wheel (#8) and the illuminate reaches the end of the acrylic core (the non-illuminated section #12). The narrow pass-way is then clamped onto the acrylic core (#10 and #11). The color wheel will change color every 10 seconds. Thus, every 10 seconds, the colors of the aquatic neon sign changes. The small motor (#7) manipulates all of this.